

CLAIMS

What is claimed is:

1. A support structure comprising a support stand operable with a supported article, the support stand comprising:
  - a pair of main beams, wherein the main beams are parallel and are spaced apart from each other and wherein each main beam has a first end and a second  
5 end;
  - a pair of angle beams, wherein each angle beam has
    - a first end affixed to one of the main beams at an outwardly joining angle of from about 20 to about 60 degrees thereto, and
    - a second end,
  - 10 wherein each main beam and its respective angle beam joined thereto define a pair of side pieces;
    - a pair of cross beams, wherein the cross beams are spaced apart from each other and are each affixed to the two side pieces to form a top frame; and
    - a support base comprising
    - 15 a pair of leading columns, wherein one of the leading columns extends downwardly from each of the main beams, and
    - a pair of trailing columns, wherein one of the trailing columns extends downwardly from each of the angle beams.
2. The support structure of claim 1, wherein a length of each of the main beams is adjustable.
3. The support structure of claim 1, wherein a length of each of the leading columns and a length of each of the trailing columns is adjustable.
4. The support structure of claim 1, further including a caster at a lower end of each of the columns.

5. The support structure of claim 1, further including a lifting beam extending between the main beams.

6. The support structure of claim 5, wherein the lifting beam has a pair of suspension hooks on a lower side thereof remote from the top frame.

7. The support structure of claim 5, wherein the lifting beam has a pair of suspension hooks on a lower side thereof remote from the top frame, and wherein the pair of suspension hooks is spaced apart from each other by either 18 inches or 30 inches.

8. The support structure of claim 1, further including an equipment rack affixed to the pair of leading columns.

9. The support structure of claim 1, wherein the joining angle is about 45 degrees.

10. The support structure of claim 1, wherein the support structure further includes the supported article.

11. The support structure of claim 1, wherein the support structure further includes the supported article, and wherein the supported article is an aircraft store.

12. A support structure comprising a support stand operable with a supported article, the support stand comprising:

a pair of side pieces, wherein each side piece comprises

a main beam, wherein a length of the main beam is adjustable, and

5 an angle beam joined to the main beam at an outward joining angle of from about 20 to about 60 degrees thereto, wherein the main beams of the two side pieces are spaced apart from and parallel to each other;

10 a pair of cross beams, wherein the cross beams are spaced apart from each other and are each affixed to the two side pieces to form a top frame; and

a support base extending downwardly from the top frame, the support base comprising

a pair of leading columns, wherein one of the leading columns is affixed to each of the main beams,

15 a pair of trailing columns, wherein one of the trailing columns is affixed to each of the angle beams,

wherein a length of each of the leading columns and a length of each of the trailing columns is adjustable, and

a caster at a lower end of each of the columns.

13. The support structure of claim 12, further including a lifting beam extending between the main beams.

14. The support structure of claim 13, wherein the lifting beam has a pair of suspension hooks on a lower side thereof remote from the top frame.

15. The support structure of claim 13, wherein the lifting beam has a pair of suspension hooks on a lower side thereof remote from the top frame, and wherein the pair of suspension hooks is spaced apart from each other by either 18 inches or 30 inches.

16. The support structure of claim 12, further including an equipment rack affixed to the pair of leading columns.

17. The support structure of claim 12, wherein the joining angle is about 45 degrees.

18. The support structure of claim 12, wherein the support structure further includes the supported article.

19. The support structure of claim 12, wherein the support structure further includes the supported article, and wherein the supported article is an aircraft store.